

Abstract

The invention relates to an alkali-free aluminoborosilicate glass having a coefficient of thermal expansion $\alpha_{20/300}$ of between 2.8 and $3.9 \cdot 10^{-6}/K$, which has the following composition (in % by weight, based on oxide): $SiO_2 > 58 - 65$, $B_2O_3 > 6 - 11.5$; $Al_2O_3 > 14 - 20$, $MgO > 3 - 6$, $CaO > 4.5 - 10$, $SrO 0 - < 1.5$, $BaO > 1.5 - 6$, or $SrO 0 - < 4$, $BaO > 2.5 - 6$, respectively, with $SrO + BaO > 3$, $ZnO 0 - < 2$, and which is highly suitable for use as a substrate glass both in display technology and in thin-film photovoltaics.